

**SMED-TC1000G**  
*THERMAL CYCLER GRADIENT*



## DESCRIPTION

Thermal cycler is an essential instrument in laboratory, it used for biotechnological applications, sequencing, gene cloning, gene expression, mutagenesis, genotyping, etc. Ideal for biotechnology and molecular biology laboratories, clinical diagnosis, forensic science, food and pharmaceutical industries, research institutes and universities.

### TECHNICAL PARAMETERS

<b>SAMPLE CAPACITY</b>	<b>GRADIENT TEMPERATURE SETTING RANGE</b>
96 x 0.2mL PCR tubes, 12 x 8-strip PCR tubes or 96-well PCR plate	30 to 99°C
<b>HEATING TEMPERATURE RANGE</b>	<b>GRADIENT RANGE</b>
4 to 105°C	1 to 42°C
<b>LID TEMPERATURE RANGE</b>	<b>ADAPTER BLOCK MATERIAL</b>
30 to 110°C	Aluminum
<b>TEMPERATURE ACCURACY (AT 55°C)</b>	<b>DIMENSIONS</b>
±0.3°C	280 x 370 x 250 mm
<b>TEMPERATURE UNIFORMITY (AT 55°C)</b>	<b>WEIGHT</b>
<0.3°C	11 kg
<b>HEATING/COOLING RATE</b>	<b>POWER SUPPLY</b>
5°C/second	110-240V, 50/60 Hz
<b>FILE SYSTEM</b>	
Maximum 30 segments 99 cycles, maximum 16 folder and 16 files each folder	

### KEY FEATURES

- 7-inches touch screen is intuitive and easy-to-use.
- High performance and durable Peltier improving temperature control.
- Gradient function optimizes temperature uniformity.
- Multi-file storage, file customization.
- Power-off protection function, automatic program recovery.
- Auxiliary heating mechanism diminishes the "edge effect" and enhances temperature uniformity.
- Wide options of consumables, 0.2 mL PCR tubes, 8-strip PCR tubes and 96-well PCR plates can be used.

